

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/775,398

DATE: 06/05/2001

TIME: 13:21:02

Input Set : A:\es.txt

Output Set: C:\CRF3\06052001\I775398.raw

165 catgatactt gtccttcttc cctgttcccc attttgggga aacactggaa acacttttct 540  
 167 ctttatgcgc attcgcgtct cagcaccgag tgctccaagc cctgcgcgca gcgcccggct 600  
 169 tggaaggcgc cgaatggctg cctagccgcc gccctacta gtgacactcg gccgccagcc 660  
 171 cccgccagc atgtgcacat ctgtggcag cactggccc ggtggcagtc accgggccac 720  
 173 ccaactccaca ggtacaaccg cacccaatcc aacctggaac tcggagggct gtgcgcgccg 780  
 175 agctgggac gcgccccaac gageccggcc tttggctgcg ccagggccca ggccgagtca 840  
 177 tccccccgct cgcgtcgccg cgaggcgga caccgtgtaa tacctttgcc gtgggctggg 900  
 179 cgtcgccgc gggccgaga gcgggtgtcc cacctgcct catcattga tttccgccag 960  
 181 cgtctgagga cggcgacccc aattcgttcc actcgtgcg ctctgtgaac cagcggcggg 1020  
 183 **cagggcgggg gaggcgggg tggggnaggg cagggtggtc ccaatcccc gcccccggcc 1080**  
 185 cgccggcctc gcgagcaca agtggtggga ttcccacggg caggcgtgct ctgcggctgg 1140  
 187 agggccgagc gccagggcc caggagacgt ggccgacaca gaggggttg taggcacggt 1200  
 189 gacctcgtg ctctgtctt gaaaggcct gaaaggagcg gtttatggtg cattaccagt 1260  
 191 caagggtca ggtaccagcg cctgtgtcgg gaaccgg 1297  
 194 <210> SEQ ID NO: 5  
 195 <211> LENGTH: 651  
 196 <212> TYPE: DNA  
 197 <213> ORGANISM: Homo sapiens 2.C.54  
 199 <400> SEQUENCE: 5  
 200 gcggccgccg cgggggacgc tcagatctcg cgagaagagg gcgagcgcgc tgccccctg 60  
 202 gtgggcgggg cgaagcccgc gagagggtgg gcgccaccgc aggggaggag gggaacaggg 120  
 204 aactgaagga agtgggaggg gccggcgggg cggggaagcg gaaagggggc gtggctgagg 180  
 206 gcgggaggat taagctgcct tttgaaagt ggagcgccag gtcccgggtt ctgggtggag 240  
 208 gtggttgctg attggtggag ctcgagcgg cggttgggag ggtcctggtc acatggtggg 300  
 210 gagtgggagg ggggaagtgc ggagagcgg agcgggatgg tagtgggctg ggccccactg 360  
 212 ggctgggaca gcaggaggat agtcttgagg aggagcgtgg ggtgctagat gtgtaactac 420  
 214 gtcccgaact ggttctctgt ttttcttagg gcattgggac tagggatggg tacttgagta 480  
 216 gaagcctgca acttgaagag tttgtgcagg agttagctgc agtgctggaa attagtgctc 540  
 218 tgtatgctca acaaggtatt cggactgggt gtgcacacca cagctctcag gactggaagg 600  
 220 tggaaattta atctacgaag ttcccttaaa ctgcataagc ttcgggacct c 651  
 223 <210> SEQ ID NO: 6  
 224 <211> LENGTH: 710  
 225 <212> TYPE: DNA  
 226 <213> ORGANISM: Homo sapiens 2.C.57  
 228 <220> FEATURE:  
 W--> 229 <221> NAME/KEY: n  
 230 <222> LOCATION: (652)..(652)  
 231 <223> OTHER INFORMATION: a or g or c or t  
 234 <220> FEATURE:  
 W--> 235 <221> NAME/KEY: n  
 236 <222> LOCATION: (690)..(690)  
 237 <223> OTHER INFORMATION: a or g or c or t  
 240 <220> FEATURE:  
 W--> 241 <221> NAME/KEY: n  
 242 <222> LOCATION: (695)..(695)  
 243 <223> OTHER INFORMATION: a or g or c or t  
 246 <220> FEATURE:  
 W--> 247 <221> NAME/KEY: n  
 248 <222> LOCATION: (710)..(710)

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249 &lt;223&gt; OTHER INFORMATION: a or g or c or t

252 &lt;400&gt; SEQUENCE: 6

```

253 gcggccgcac ggagttgaag aactaaccac agctaagcca catacagacc ctcacggccg      60
255 cctggtctac acaggccgcc acagctacac aggctcaggc ctcagcctgg tcacaatggg      120
257 cacaccacac ctctcgggtc ccacagtttt gcgggagcgg tgacacacac ccgctcccaa      180
259 ctgaccacgc ccacacacgc tggcttcagc cgcacacgca cacagtagcc acgccccctt      240
261 atgctccagc cttgccagca cccgccctcg ccacgctggg cagccccaca cacacacaca      300
263 cacacacaca cacacgcacg caggcctggg gcacgcccc ccccccacac caggcgtgcg      360
265 gcacgccttc ccatacacac acacacgcgc gcgggcctgg ggacgccttc ccacacacat      420
267 gcaggggtag ggacgccttc cacacacaca cagcccgccc tggggcacgc tcgcgcgcac      480
269 atgcacacac atacacacgc acaggcctgg ggcaggcccc acccccacac acgcaggcct      540
271 ggggcacgcc cccccacaca tgcaggctgg gagcatgcgc aactcgcag gccttgggca      600
W--> 273 cagcgcacac cactcatgca cagacacgca cgcacacatc gagccccgcc cncggaagca      660
W--> 275 catgagaggc acttgctttc actgactgan ggcaggcctt tggggccgcg      710

```

278 &lt;210&gt; SEQ ID NO: 7

279 &lt;211&gt; LENGTH: 1204

280 &lt;212&gt; TYPE: DNA

281 &lt;213&gt; ORGANISM: Homo sapiens 2.C.58

283 &lt;400&gt; SEQUENCE: 7

```

284 gcggccgcctc ctctttatct tactctcacc cgaggcccg gcctcctccg gggagcgggt      60
286 ctgccaggaa aacggcccca ccagtgcctg gcgctggggc tgcgtccgag cccaccttct      120
288 tccctcgtcg tcgtctccca gactaaatcc cggaaaggga aagcgggatg tttgcgcccc      180
290 ccgcgctgta gctggtcctg acacttgcaa aatggtcagt ggctcctgct cggccaggct      240
292 gagtgtgtgc gtgtgtgtga gcaaggagc gaggtgtgc ggtgtgcagg ggggtgcgtg      300
294 tgtgtgcgag cgtctccggg aaggtctcgc ggccgctgga gccgggactg acagcccggg      360
296 cggagcgcag gcagctccac acgctaaacc tctgcctctt cccctcacc ccaccccttc      420
298 cactcccttc tcttccccc accctcccg gcccttcca agctctctga ttggccaatg      480
300 ggacaaaagt ttctgtggag acggctgggc gctgacgtca cgggcagaat tgtccattt      540
302 agggatcccs ggggcagtgc gcatgctgca ggctgcagg tagaggcaga aggaggtagc      600
304 agcgggcccc gcggcagcca ggtggcagaa aggagcacgc agcatccagg tggggggacg      660
306 actccagcag ggtttccatg gagattcctc tgggtctagc ctaaaaacag cagatcagct      720
308 gacaccatta gctcaggacc taattactgc ttattggagc aacaaatgag ggaaagggcc      780
310 agctgcaaag gaagagtttt tatcccccca cccattccc ccattctcct tctccccctc      840
312 tctccatccc tcttgagtcc cgggtgaatt ctcatctaat tgcaagattc ctgcaacaac      900
314 agctcccctt ctccagaggc caccocgact gcttttatct ttttatttcc ttcttttgta      960
316 ttaaaaagaa atgctaaaat aaatcagttg ttgagtcctt gaatttttgt tcaatacgtg      1020
318 ttagaccata gagctcagag aagacactgt ccaatgaagt cacaagtga tctaatacaa      1080
320 gggactcagg ggaataatat cactttcaat ttattgaggt gaatcttag atatttcaca      1140
322 ttaaaaaaat cttaatatct taaatacata aatatttgaa acacgcaatt ggacagaaga      1200
324 tatc      1204

```

327 &lt;210&gt; SEQ ID NO: 8

328 &lt;211&gt; LENGTH: 687

329 &lt;212&gt; TYPE: DNA

330 &lt;213&gt; ORGANISM: Homo sapiens 2.C.59

332 &lt;220&gt; FEATURE:

W--&gt; 333 &lt;221&gt; NAME/KEY: n

334 &lt;222&gt; LOCATION: (650)..(650)

335 &lt;223&gt; OTHER INFORMATION: a or g or c or t

338 &lt;400&gt; SEQUENCE: 8

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339 gcggccgcac aagcgcacac gcacacgtcc agggcggagg aacactacta gtaacacccg 60  
 341 cctccttcta gcctccctat cccaaagtta tgggtgccgat tttgtccgcg gcaggggctc 120  
 343 caggggcaca ctcataaatt cgggtgcggag gaacacaact agcagcacca cacccccgc 180  
 345 actgccagaa ccaaagtgc ggtgccgaca cccctccgca agcgcaggc cgacttccat 240  
 347 aagtaattag ccagagcacc gtcccggttc tgtcagcacc gagccccagc caggacaccg 300  
 349 gtattccag caccatacaa gaactacttt ttgatgaag caacccaaaa gctgcgagcg 360  
 351 gttcccgggtg aggcgcacca ctcacctggc cggcgcagac aagctccgtg cgtcaagaca 420  
 353 taacagcgta agtgtagac gttgcgcagc gacgcggggg ccttcgggaa atgtagtcta 480  
 355 caactggaaa ccggccggat cgtgtctgcg caggcccagc agctaagatc ggggtccggcg 540  
 357 ctccagaaca gaacgatccc tgaggctccc ttgctcgaac tgtgggaact accctactat 600  
 359 **gggtccgagcc taccctattt cattatactc aagtaacgcc ccagaaattn cagagaatct** 660  
 361 acacaaagag gttgagtctt gccgtgg 687  
 364 <210> SEQ ID NO: 9  
 365 <211> LENGTH: 1520  
 366 <212> TYPE: DNA  
 367 <213> ORGANISM: Homo sapiens 2.D.10  
 369 <400> SEQUENCE: 9  
 370 gcggccgcga ggacagctcg gacgggggag agaaaggagg tttccagtaa aaataataac 60  
 372 gccagagaga aaaccgtaac tcgcgtgaca cagacagaaa tttccagtaa taatcatcag 120  
 374 gtgatagaga aggaaggctt ccaaaatgaa gaacaagtga aataaagggt ttagtcatga 180  
 376 attacagcac gtgcgatgga tgagtgggtg tttctcatca taaatggtaa ctcgggagat 240  
 378 agagaaacgt gtccagccct aaactacaac aggggttgggt ttgaaagaga ggtgctgtca 300  
 380 taaagcggaa ctcaggggat ggggaagacg gcctccgtcc caaatgacaa ctcaatgaca 360  
 382 gagaacaaaa gatccaaact aaagtgatgg agaaaaaggg tttccaacca ccacacaaat 420  
 384 gaagagaaag actgatcaca taatgaagta ttcagtcatt aatacatgat aaacccgggtg 480  
 386 atagagaaag aggttatgtc acaattact cagataatgg agaaaaaagc cttattcatg 540  
 388 tatcactcag gtgatacat caaggcaggt ttcctgccat aaaggataac acagctaaaa 600  
 390 gagaaataaa ggttttagta ataagtgaca attcatataa cagagaaaga aggttcttg 660  
 392 ccataaggat aactcatgta ataaagaaaa gtttttagtca taaataatag agaaagaaag 720  
 394 gtttccgata gaaaatggta gagatagaaa ggttctaggt acaaacggt aactgaagtg 780  
 396 atagagcaag gtcacaaata ataactcagg taatagagaa agatttctag tcataataaa 840  
 398 tacatctgct acagaaataa gggttttgat tcataaagtt atgtcataag tgataagtgg 900  
 400 tagaaaagga aaggttttag ttataaatta tgattcaagg gatagaaaaa caaagggttc 960  
 402 aagttataaa tatcatttca atggtcaaga aaggttttca gtcagtgaatg aaaactgggt 1020  
 404 gaagttttcc agtcacaggt tataactcag gcaatggaca gagaaggaaa gatttttgtc 1080  
 406 atcaatcaac tcaggtggag aaggaaagggt ttttcaataa gaaataactc agttgagtga 1140  
 408 aagaaggctt gaggtcatga atgataatta ggtgatagag aaagaaatgt tccagtcata 1200  
 410 aggtttaaag cagatgctag agaaagaaag gtttttagtc ataaataaaa ctcagctgct 1260  
 412 agaaagaata gggctaccag tcataattga taactcaggt gagagaaaga ttgctggtca 1320  
 414 taaattgtaa ccaggtgac agaaaagaag gtgtcactca cacatgataa ttcgggttat 1380  
 416 gaggaagggt tccagccaca gtggttaact aggtgctagg gaaagaagggt ttgggcaata 1440  
 418 atgacaactc aggtaatata gaaaaacgat tacagtcata aatgacagag aaggaaaggc 1500  
 420 ttttattcat aaaggatatt  
 423 <210> SEQ ID NO: 10  
 424 <211> LENGTH: 575  
 425 <212> TYPE: DNA  
 426 <213> ORGANISM: Homo sapiens 2.D.14  
 428 <400> SEQUENCE: 10  
 429 gcggccgcgg ctgtggctcc tcttggccgc gcagctgaca ggtaaggcgg cggcgcgcgg 60

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the  
 Sequence Listing to ensure that a corresponding explanation is presented in the <220> to  
 <223> fields of each sequence which presents at least one n or Xaa.

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DATE: 06/05/2001

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Input Set : A:\es.txt

Output Set: C:\CRF3\06052001\I775398.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:22 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:59 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:71 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:77 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:83 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:89 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:143 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:229 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:235 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:241 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:247 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:333 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:456 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:462 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11  
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:501 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:507 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:513 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12  
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:602 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
L:655 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:696 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:702 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:708 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:714 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:763 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18  
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:869 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:875 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:881 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20

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Input Set : A:\es.txt

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L:887 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:960 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:966 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:972 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:978 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23  
L:1006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1044 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:1050 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:1056 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:1062 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:1088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1231 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1237 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1243 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1249 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1255 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1261 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1267 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1273 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1279 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1285 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1291 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1297 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1353 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1359 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1643 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40  
L:1649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40  
L:1655 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40  
L:1687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:1723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:42  
L:1747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:1850 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45  
L:1880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:1929 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46

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L:1935 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
L:1941 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
L:1947 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:2016 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2022 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2028 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2034 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2040 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2046 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2052 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2058 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2064 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2070 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2076 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2082 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2184 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2190 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2196 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2202 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2208 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2214 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2220 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2226 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2232 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49  
L:2258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:2260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:2262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:2264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:2302 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:51  
L:2332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:2424 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:55  
L:2456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55  
L:2498 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2504 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2510 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2516 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2522 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2528 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2534 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2540 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57  
L:2546 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/775,398

DATE: 06/05/2001

TIME: 13:21:03

Input Set : A:\es.txt

Output Set: C:\CRF3\06052001\I775398.raw

L:2574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:2576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:2578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:2580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:2626 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2632 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2638 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2644 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2650 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2656 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2662 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2668 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2680 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2686 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2692 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2698 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2704 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2710 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:2716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59  
L:2718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59  
L:2720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59  
L:2722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59  
L:3105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3111 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3123 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3129 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3135 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:3173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66  
L:3175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66  
L:3177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66  
L:3179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66  
L:3215 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68  
L:3241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68  
L:3365 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3377 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3383 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3389 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3395 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70  
L:3423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70  
L:3425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70  
L:3442 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:71  
L:3458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71  
L:3479 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3485 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3491 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/775,398

DATE: 06/05/2001

TIME: 13:21:03

Input Set : A:\es.txt

Output Set: C:\CRF3\06052001\I775398.raw

L:3497 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3503 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3509 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3515 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3521 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3527 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3533 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3539 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3545 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3551 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3557 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3563 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3569 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3575 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3581 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3587 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3593 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3599 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3605 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3611 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72  
L:3617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72  
L:3798 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:77  
L:3816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77  
L:3932 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:81  
L:3960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81  
L:4445 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88  
L:4451 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88  
L:4457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88